

15. The method of claim **14**, wherein the first sub-pixel and the second sub-pixel are not components of a same pixel.

16. The method of claim **15**, wherein the first sub-pixel and the third sub-pixel are components of the same pixel.

17. The method of claim **11**, wherein combining the correction value with the first luminance value comprises adding the correction value with the first luminance value.

18. The method of claim **11**, wherein the first sub-pixel and the second sub-pixel are neighboring sub-pixels of an electronic display.

19. A non-transitory machine readable medium comprising instructions, wherein, when executed by a processor, the instructions cause the processor to:

determine a first sub-pixel type and a first luminance value of a first sub-pixel;

determine a second sub-pixel type and a second luminance value of a second sub-pixel;

identify a lookup table based at least in part on the first sub-pixel type and the second sub-pixel type; and

determine a compensated luminance value, associated with lateral current leakage between the first sub-pixel and the second sub-pixel, for the first sub-pixel based at least in part on an output of the lookup table in response to the first luminance value and the second luminance value.

20. The non-transitory medium of claim **19**, wherein the first sub-pixel type comprises a color component of the first sub-pixel.

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